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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 06275-514US1 | Application No. 10/581,143 |
| | | Applicant Michael Butters et al. | |
| | | Filing Date February 14, 2007 | Group Art Unit 1624 |

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

U.S. Patent Documents

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
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Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
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| | | | | | | | Yes | No |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|---------------------|--------------|--|
| | ALLL | Ahmed et al., "Novel synthesis of 1-aryl-9-alkyl-2,3,3a,4,9,9a-hexahydro-1H-pyrrolo[2,3-b]quinoxalines by lithium aluminum hydride reduction of N-phenyl-1-benzimidazolylsuccinimides", CAPLUS 79:92106 (1973) |
| | AMMM | Baly et al., "Biological Assays for C-X-C Chemokines", <i>Methods in Enzymology</i> 287:69-88 (1997) |
| | ANNN | Baxter et al., "Hit-to-Lead Studies: The Discovery of Potent, Orally Bioavailable Thiazolopyrimidine CXCR2 Receptor Antagonists", <i>Bioorg. Med. Chem. Lett.</i> 16(4):90-963 (2006) |
| | AOOO | Berge et al., "Pharmaceutical Salts", <i>J. Pharm. Sci.</i> 66:1-19 (1977) |
| | APPP | Bodor et al., "Chemical Approaches to Drug Delivery", in: <i>Encyclopedia of Controlled Drug Delivery</i> (1999 ed.), pp. 285-298 |
| | AQQQ | CAPLUS, Accession No. 2000:76301, Document No. 132:98128, "Antiinflammatory and analgesic capsules containing betamethasone, vitamin B6, dihydrochlorothiazide and triamterene". |
| | ARRR | Chemcats, Accession No. 2001:1442861, "4, 7-Pteridinediamine, 9-phenyl-2-[(phenylmethyl)thio]-", CAS Registry 343347-55-7 (July 1, 2001) |
| | ASSS | Chemical Abstracts, Volume 54, No. 10, May 1960, Abstract No. 9933f, C. Wayne Noell and Roland K. Robins, "Potential Purine Antagonists XVII. Synthesis of 2-methyl and 2-methylthio-6, 8-disubstituted purines", see formula III when R-SMe, R1=C1, R2=OH |
| | ATTT | Cohen et al., "Cytokine function: A study in biologic diversity", CAPLUS 125:31527 (1996) |
| | AUUU | Cowley et al., "Preparation of 1-(3-phenyloxypropyl)piperidine derivatives as opioid receptor ligands", CAPLUS 138:39189 (2002) |
| | AVVV | Faulb, "Preparation of 5-Tetrazolyl Groups from Carboxylic Acids. A Sequence Amenable to Sensitive Substrates", <i>Tetrahedron Letters</i> 6:491-494 (1979) |
| | AWWW | Finke et al., "Preparation of piperidinylmethylcyclopentanes as modulators of CCR-5 and/or CCR-3 chemokine receptors", CAPLUS 134:56576 (2000) CAS Listing, 77 answers |
| | AXXX | Fukuda et al., "Preparation of benzotriazole derivatives as cardiovascular agents and antipsychotics", CAPLUS 123:340149 (1995) |
| | AYYY | Gavezzotti, "Are Crystal Structures Predictable?", <i>Acc. Chem. Res.</i> 27:309-314 (1994) |
| | AZZZ | Gewald et al., "New Synthesis of Substituted 4-Amino-quinazolines and Their Heteroanaloga", <i>J. prakt. Chem.</i> 338:206-213 (1996) |

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| | AAAAAA | Grant, "University of Minnesota--Twin Cities Campus College of Pharmacy, Annual Report", [online] 1999, [retrieve on 2/13/03]. Retrieved from the internet, http://www.msi.umn.edu/general/Reports/ar99/departments/pharmacy.html |
| | ABBBBB | Grohe et al., "Cycloacylation of Enamines. I. - Synthesis of 2-Thiazolone Derivatives", <i>Liebigs Ann. Chem.</i> 1018-1024 (1973) |
| | ACCCCC | Kiriasis et al., "Synthesis and Properties of New Pteridine Nucleosides", <i>Dev. Biochem.</i> 4:49-53 (1978) |
| | ADDDDD | Lee et al., "Characterization of Two High Affinity Human Interleukin-8 Receptors", <i>J. Biol. Chem.</i> 267:16283-16287 (1992) |
| | AEEEEEE | McNaught et al., "IUPAC Compendium of Chemical Terminology, 2 nd Ed" (1997) |
| | AFFFFFF | Merritt et al., "Use of fluo-3 to measure cytosolic Ca ²⁺ in platelets and neutrophils: Loading cells with the dye, calibration of traces, measurements in the presence of plasma, and buffering of cytosolic Ca ²⁺ ", <i>Biochem. J.</i> 269:513-519 (1990) |
| | AGGGGG | Murdoch and Finn, "Chemokine receptors and their role in inflammation and infectious diseases", <i>Blood</i> 95:3032 (3043 (2000)) |
| | AHHHHH | Nagahara et al., "Thiazolo[4,5-d]pyrimidine Nucleosides. The Synthesis of Certain 3-β-D-Ribofuranosylthiazolo[4,5-d]pyrimidines as Potential Immunotherapeutic Agents", <i>J. Med. Chem.</i> 33:407-415 (1990) |
| | AIIIII | Ott et al., "4-amino-7, 8-dihydro-2-(methylmercapto)-8-β, -D-ribofuranosylpteridine-7-One. Modified Fusion Reaction with Trimethylsilylated Pteridine Derivatives", <i>Nucl. Acid. Chem.</i> 2:735-739 (1978) |
| | AJJJJJ | Ott et al., "Zur Synthese des 4-Amino-7-oxo-7, 8-dihydropteridin-N-8-β-D-ribofuranosids - ein strukturanaloges Nucleosid des Adenosins", <i>Chem.Ber.</i> 107:339-361 (1974) |
| | AKKKKK | Pachter and Nemeth, "Pteridines. I. Synthesis of Some 6-Alkyl-7-aminopteridines from Nitrosopyrimidines", <i>J. Org. Chem.</i> 28:1187-1191 (1963) |
| | ALLLLL | Patent Abstracts of Japan, abstract of JP-5-202047 A (Chugai Pharmaceut. Co. Ltd.) 10 August 1993 |
| | AMMMMM | Power et al., "Differential Histopathology and Chemokine Gene Expression in Lung Tissues following Respiratory Syncytial Virus (RSV) Challenge of Formalin-Inactivated RSV- or BGG2Na-Immunized Mice", <i>J. Virol.</i> 75:12421-12430 (2001) |
| | ANNNNN | Sato et al., "Psychotropic Agents. 3. 4-(4-Substituted piperidinyl)-1-(4-fluorophenyl)-1-butanones with Potent Neuroleptic Activity," <i>Journal of Medicinal Chemistry</i> 21(11):1116-1120 (1978) |
| | AOOOOO | Souillac et al., "Characterization of Delivery Systems, Differential Scanning Calorimetry", in: <i>Encyclopedia of Controlled Drug Delivery</i> (1999 ed.), pp. 212-227 |
| | APPPPP | Spickett and Timmis, "The Synthesis of Compounds with Potential Anti-folic Acid Activity. Part I. 7-Amino- and 7-Hydroxy-pteridines", <i>J. Chem. Soc.</i> pp. 2887-2895 (1954) |
| | AQQQQQ | Taylor et al., "Molecular Determinants for Recognition of RU 24969 Analogs at Central 5-Hydroxytryptamine Recognition Sites: Use of a Bilinear Function and Substituent Volumes to Describe Steric Fit," <i>Molecular Pharmacology</i> 32:42-53 (1988) |
| | ARRRRR | Teranishi et al., "Piperidine derivatives and pharmaceutical compositions containing them", <i>CAPLUS</i> 95:132947 (1981) |

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| | ASSSSS | Trivedi et al., "SECTION IV. IMMUNOLOGY, ENDOCRINOLOGY AND METABOLIC DISEASES", <i>Annual Reports in Medicinal Chemistry</i> 35:191-200 (2000) |
| | ATTTT | Vandenberk et al., "1-(Benzazolyalkyl)piperidines and their salts with acids", CAPLUS 87:23274 (1977) |
| | AUUUUU | Vartanyan et al., "Synthesis and biological activity of 1-substituted benzimidazole and benztriazole derivatives", CAPLUS 98:4503 (1983) |
| | AVVVVV | Weinstock et al., "Pteridines. XII. Structure-Activity Relationships of Some Pteridine Diuretics", <i>J. Med. Chem.</i> 11(3):573-579 (1968) |
| | AWWWWW | West, "Solid State Chemistry and its applications", Wiley, New York, pages 358 & 365 (1988) |
| | AXXXXX | Wu et al., "Synthesis of Furanonaphthoquinones with Hydroxyamino Side Chains", <i>J. Nat. Prod.</i> 62:963-968 (1999) |

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